Let's meet this year in Belgium!

Invitation from the Conference Committee
Jason Dechoretz, Chair

On behalf of ISPA and SCEA, I am pleased to welcome you to our 7th overseas conference (always held on a leap year) and our first in Belgium.

Preserving the tradition of past conferences in England, Germany, France, Italy, and the Netherlands, we have prepared a vast array of professional and cultural opportunities for you and your guests. We have summarized for you the in depth training program which is designed to help learn about selected products as well as prepare for SCEA and ISPA certifications which are highly valued by your customers and employers. In addition to the training, we have arranged for a robust spectrum of technical papers which are drawn from ISPA, SCEA and the other five co-sponsoring organization.

This is the greatest number of co-sponsoring organizations we have had and the benefit is a broad spectrum of best practices, lesson’s learned and recommendations for extending the “state-of-the-art” for analytical techniques.

We will open the conference up on Sunday with a hosted reception. This will enable the delegates (attendees) and their guests to meet one another, catch up on events since the past conference, and reinforce long friendships. Likewise we will conclude the conference with an Awards Banquet which leave us all with long lasting memories of our experience in Belgium.

Advantages to you when attending:
- International networking opportunities with NATO mission and European Commission (EC) members
- Full workshop program in four tracks
- Full training program and opportunity to sit for certification examinations
- Traditional receptions, award banquet, & guest program

Contents:
- Invitation 1
- Keynote Speakers 2
- Training 3
- Exhibitors 3
- Conference Hotel 3
- Workshops 4-5
- Guest Program 6
- Awards Banquet 6
Keynote Speakers

Frank De Winne, Astronaut, European Space Agency (ESA)

In January 2000, Frank De Winne joined the European Astronaut Corps of the European Space Agency, whose home base is the European Astronaut Centre in Cologne, Germany. He provided technical support for the X38 Crew Return Vehicle project division within the Directorate of Manned Spaceflight and Microgravity, located at ESA’s research and technology centre, ESTEC, in Noordwijk, the Netherlands.

From 27 May to 1 December 2009 De Winne performed the OasiSS mission, a long-duration spaceflight to the International Space Station. During this flight De Winne became the first European and the first non-American and non-Russian Commander of the ISS (expedition 21). He also performed the tasks of the Soyuz TMA-15 and ISS expedition 20 flight engineer.

Dominique Arnal, Vice President, Finance and Head of Costing, Airbus

Dominique Arnal is responsible within Airbus to provide accurate cost estimates for new Airbus aircraft programme launch, programme extensions, aircraft configuration changes and customization. In his role, he advises on target cost values based on competition data, target must cost and benchmarking. These costs estimates contribute to the elaboration of business cases, to target must price for work-packages subcontracted by Programmes/Procurement, and to support any make or buy decisions.

Prior to being appointed Head of Costing, Dominique Arnal served as Head of Programme Management Office - A380 Cabin & Cargo Customization. In this function, he was responsible to control overall project development costs, to pilot the industrial planning of A380 Cabin development, to manage the product configuration and to deploy the 3D toolset (DMU) related to A380 Cabin development.

Mr. Arnal joined Airbus in 1999 following 10 years of experience in IT Project Management and Sales with Sun Microsystems Inc. He started within Airbus as Head of IT Infrastructure Design and Projects where he was responsible to design & deploy IT infrastructure projects related to Airbus single company integration.

Neil Albert, Vice Chairman, Board of Directors of MCR, LLC, a company specializing in Integrated Program Management by providing business analysis and forecasting, project management consulting, and systems engineering services. For over 20 years, he has served in numerous positions at MCR. In his prior position as CEO/President, Mr. Albert managed and performed strategic planning, cost/schedule analysis, acquisition management, and program assessment activities in support of the Federal government and industry clients.

In 2010, Mr. Albert received the Freiman Award from the International Society of Parametric Analysts (ISPA), its highest honor. In 2007 Mr. Albert received the “Civilian Leadership Award” from the Secretary of Defense for his outstanding contributions in supporting the Department of Defense and in 2003; he received the “Lifetime Achievement” award, the highest honor from the Society of Cost Estimating and Analysis (SCSA). He is a Past President of SCEA and the Project Management Institute’s College of Performance Management (PMI-CPM).

Mr. Albert was a contributor to the PMI Body of Knowledge (PMBOK), the SCEA Body of Knowledge, the PMI Work Breakdown Structure Practice Standard and Earned Value Management Practice Standard, and a contributing author to the General Accountability Office (GAO), Cost Estimating and Assessment Guide.

Mr. Albert is a Senior Fellow on the Defense Business Board which reports to the Deputy Secretary of Defense. The board is an ongoing federally supported advisory committee consisting of leaders in industry providing advice and support to the Secretary.
Training

A robust Training Program has been established during the conference to help you improve your skill and prepare for either professional certification: Certified Parametric Professional (CPP) and Certified Cost Estimator/Analyst (CCEA). You will be able to sit for either examination. The following courses are offered:

Practitioner Track Topics
1. PC 01 Parametric Analysis Overview, Dale Shermon, QinetiQ, UK
2. PC 02 Cost Estimating Relationships, Rene Burghuijs, NATO, Belgium
3. PC 03 Company-Developed Complex Models, Hank Apgar, MCR, US
4. PC 04 Complex Hardware Models, Greg Kiviat, Sikorsky, US
5. PC 05 Complex Software Models, Sherry Stukes, JPL, US
6. PC 06 Government Compliance, Andy Nicholls, Price Systems, UK
7. PC 07 Other Uses of Parametrics Paul Duvall Atkins Ltd., UK
8. PC 08 International Use of Parametrics, Fabian Eilingsfeld, Price Systems, GE

Fundamentals Track Topics
1. FD 01 Cost Estimating Basics, Stuart Wicks, Rolls-Royce, UK
2. FD 02 Cost Estimating Techniques, Ton Dekkers, Galorath, NL
3. FD 03 Data Collection & Normalization, Dan Galorath, Galorath, US
4. FD 04 Data Analysis Kurt Bruner, Tecolote, US
5. FD 05 Learning Curve Analysis, Natalie Faucher, MCR, Brussels
6. FD 06 Regression Linear Herve Joumier, ESA, NL
7. FD 08 Risk Analysis Basics, Eric Drucker, BAH, US
8. FD 09 Probability & Statistics Basics, Peter Braxton, Technomics, US

Exhibitors

Attending an ISPA/SCEA Conference affords a unique opportunity to meet face-to-face with our tool providers and vendors to see the latest in parametric cost estimating models, this year, we already have confirmed attendance by the following:
- PRICE Systems
- Galorath Inc
- 4cost
- MEE

Interested vendors can join the roster of tool vendors in the main lobby of the hotel, right in front of the main assembly room, by contacting Hank Apgar at hagar@mcri.com.

Getting There

Brussels is the cross-roads of Europe, just 14 km from Zaventem International Airport (BRU). Travel to the downtown Sheraton Brussels Hotel by regular train link (every 15 minutes) or taxi. Bruges is one hour away by punctual train (SNCB) service. Travel around town by taxi, tram, or on foot.

Belgium runs on 220 volts AC using European two-pin plug adapters. Carry your passport with you when outside the hotel. The hotel provides internet connection. Belgium is on Central European Time, one hour ahead of GMT. Know your 4-digit pin number for your bank debit card so you can obtain Euros from convenient ATMs.

The Sheraton Brussels

Reserve your room by going to the conference reservation site, http://www.cvent.com/d/5cqjw2. Extend your stay for only €80 per night (including breakfast and VAT) - €130 during the conference. Don’t miss the welcome reception on Sunday evening. This four-star hotel is just off Place Rogier and within walking distance of the historic Grand Place; it has a fitness center and a rooftop swimming pool. But, remember to book before March 31st; after this date, there is no guarantee of availability at the greatly discounted rate.

Go now to the Conference Website, www.cvent.com/d/5cqjw2, to register for the conference and to reserve your below-market rate room at the Sheraton Brussels Hotel by March 31st!
# Workshops

## Management and Decision Making

<table>
<thead>
<tr>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
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<tbody>
<tr>
<td>The Evolution of Parametrics in Parallel with the Maturing of ISPA</td>
<td>Henry Apgar, MCR Technologies, LLC</td>
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<tr>
<td>Normalization of Costs for Multiple Currencies and Multiple Base Years</td>
<td>Marcel Smit, TNO</td>
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<td>Inflation - What Do We Really Know and How Should We Project It In Cost Estimates?</td>
<td>Kurt Brunner, Tecolote Research, Inc</td>
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<td>Human Spaceflight Value Study</td>
<td>Andy Prince, NASA Marshall Space Flight Center</td>
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<td>Expanding the Frontier: A new parametric Look into the Economics of Post-Shuttle Space Transportation</td>
<td>Fabian Ellingsfeld, PRICE Systems Ltd</td>
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<td>A Performance Assessment and Root Cause Analysis (PARCA) on EVM - The State of EVM</td>
<td>H Lindsey Arison III, U S Air Force Space and Missile Systems Center</td>
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<td>Preparing for Retirement</td>
<td>Andy Nicholls, PRICE Systems LLC</td>
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<td>DACE Price Booklet and DACE Labour Norms being used for Parametric Estimating?</td>
<td>Rob Van Hoeve, Dutch Association of Cost Engineers</td>
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<td>Estimation &amp; Planning Processes Decide Project Success</td>
<td>Dan Galorath, Galorath Inc</td>
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<td>Affordability</td>
<td>Edwin Dean, Dean Consulting</td>
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<td>Calculating the Fully Burdened Cost of Energy</td>
<td>Daniel Nussbaum, Naval Postgraduate School, Department of Operations Research</td>
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<td>Protection of Acquisition Approaches and their Potential Effects on Science Mission Development Duration and Schedule Growth</td>
<td>Hervé Joumier, European Space Agency</td>
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<td>Comparison of ESA and NASA Acquisition Approaches and their Potential Effects on Science Mission Development Duration and Schedule Growth</td>
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<td>Analytical Program Management: An Approach for Enhanced Cost and Schedule Risk Analysis</td>
<td>Graham Gilmer, Eric Druker, Colin Smith, Paul Herzog, Booz Allen Hamilton</td>
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<td>Introduction to Value Management</td>
<td>Timme Hendriksen, Rudolf Verver, Dutch Association of Cost Engineers</td>
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<td>Fitting Absolute Distributions to Limited Data</td>
<td>Blake Boswell, Booz Allen Hamilton</td>
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<td>Value of Probabilistic Project Models</td>
<td>Fedde Tolman, KOAC-NPC University of Twente</td>
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<td>Integrated Cost and Schedule Optimization with Monte Carlo Simulations</td>
<td>Colin Smith, Paul Herzog, Booz Allen Hamilton</td>
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<td>Joining Effort and Duration in a Probabilistic Method for Predicting Software Cost and Schedule</td>
<td>Michael Ross, r2Estimating</td>
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## Risk Analysis

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<tr>
<td>Earning More with Lower Risk</td>
<td>Ton Dekkers, Galorath International Ltd</td>
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<td>Probabilistic Risk Analysis, More Insight into Contingencies</td>
<td>Joep van der Meer, Arcadis</td>
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<td>Analytical Program Management: An Approach for Enhanced Cost and Schedule Risk Analysis</td>
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Over 45 workshop speakers—offer hands-on experience in management, risk analysis, models, and software.
Workshops

Models and Methods

Influential Data Points in Regression Analyses
Donald MacKenzie
MacKenzie Consulting Inc

Asteroid Sample Return Design-to-Cost in the ESA Concurrent Design Facility
Michel van Pelt
European Space Agency

Evaluation of Models to Predict the Construction Material Quantities of Cylindrical Storage Structures at an Early Project Phase
Borja García de Soto Lastra
ETH Zurich

Estimating the Cost of Hybrid Airships for Joint Future Theater Lift
Robert Georgi
Booz Allen Hamilton

Developing a Missile System Cost Estimating Model for Korean R&D Environment
Sung Jin Kang
Korea National Defense University

Designing a Conceptual Framework for Assessing Total Ownership Cost
Gurney Thompson
PRICE Systems LLC

Applying Parametric discipline to Performance Based Contracting (PBC) in Through Life projects
Dale Shermon
John Scire
QinetiQ Ltd

What about DAIV (Demand as an Independent Variable)?
Doug Howarth
MEE LCC

Wilson Rosa, Paula Young
Tongia Shirer, Abishek Krupanand
Air Force Cost Analysis Agency
James Bilbro
JB Consulting International

Use of EVM Trends to Find WBS Level 3 Completion Dates
Roy Smoker
MCR LLC

SAR Data Analysis, CV Benchmarks, and the Updated NCCA S-Curve Tool
Peter Braxton, Richard Lee
Technomics Inc

Cost Model for Enabling Knowledge Sustainability, Usability, and Recovery for Economic Value
Mohamed Badawy
Cranfield University

Faster, More Credible Estimates with TruePlanning 2012
Anthony DeMarco
PRICE Systems LLC

Capabilities Based Portfolio Assessment (CBPA): A Methodology for Balancing Capability and Managing Costs of Defense Programs
Paul Gvoth, Brad Ellis
Cask LLC

The Perceived Problem between Bottom up and Parametric Estimating Methods
Herbert Spix, 4cost GmbH

Software and Technology

Are Parametric Techniques Relevant for Agile Software Development Projects?
Arlene Minikiewicz
PRICE Systems LLC

Planning Software Build Development Execution Using a Software Parametric Model
Paul Morris
The Millennium Group Inc

Estimate Software Projects Cheaper, Faster and Better! - Can Parametric Estimating “Beat” the Experts?
Harold van Heeringen
Sogeti Nederland BV

Agile Measurement - The Success Formula behind High Performance Organizations: Small, Self-Steering Development Teams Work Faster, Cheaper and Better!
Hennie Huijgens
Goverdson

Taking Control over Mission-Critical Software - Software is a Mission-Critical Element of Most Complex Systems
Joost Visser
Software Improvement Group

An Innovative Load Balancing Parametric Software Maintenance Model
Donald Reifer
Reifer Consulting LLC
Guest Program - Tuesday in Bruges

On Tuesday, 15 May 2012, the Conference Committee is offering a bus tour to the medieval city of Bruges. Atmospheric and enchanting, Bruges features ancient streets, criss-crossing canals, and Gothic architecture. The 13th-century city center explodes with history, culture, markets and praline shops. Enjoy the 272-foot Belfry in the market square, the Basilica of the Holy Blood, and the many quaint stores.

On Monday and Tuesday, guests can arrange tours with the hotel concierge or explore vibrant Brussels, the center of the European Union, on their own. Brussels makes no secret of its zest for the good life, and you can explore the historic Grand-Place, numerous museums, and devour melt-in-the-mouth chocolates and pomme frites (French fries) while huddling over a Belgian brew. tasty beer in a gloriously old-world pub.

Awards Banquet at Comic Museum

The venue for the awards banquet (which will be a shared event with the traditional SSCAG dinner) will provide a memorable experience at the nearby Comic Museum. Belgium has enjoyed a long history of being the home of widely appreciated comics for children and political satire. This museum was designed to house international events.

In addition to our traditional multi-course dinner for you and your guests, we will present our best paper awards:
- Best Track Papers
- Best Conference Paper

and our ISPA professional awards:
- Freiman Award
- Parametrician Award
- Service Award.

Touring, shopping, or just wandering in Brussels will become an unforgettable experience.

2011 Parametrician-of-the-Year (Rob Currie Photo)